

Abstract

Background: Cardiopulmonary resuscitation (CPR) training for undergraduate medical students has been noted to be poor in the past. Attempts have been made to improve quality of CPR training .

Purpose: The aim of this study is to determine effect of CPR training in the anesthetic ward to improve knowledge and practice undergraduate medical student of CPR.

Methods: A 12 month Educational experimental study with self control was done on all undergraduate medical student (n=30) at the medical university of Ardabil in 2006-2007. During I month of program all this students have undergone CPR training including basic life support (BLS) , advanced cardiac life support (ACLS) and practical skills. Data were collected via questionnaire, demographic, pre/post knowledge and practice.

Result: After training the acceptable score (good and very good) about knowledge of BLS, ACLS and practical skill significantly increased %6.7 to %50 ($p=0.0001$) , %13.3 to %53.4 ($p=0.001$) and %3.3 to %100 ($p=0.001$) respectively. A significant relationship between knowledge of ACLS and practical skills was shown ($p=0.005$).

Conclusion: The CPR training course in anesthetic ward leads to a significant increased in skills and knowledge. Adding this course to undergraduate curriculum of medical students especially in operatically wards (e.g. Anesthetic ward) is essential.

Keywords: Cardiopulmonary resuscitation; Training; Basic Life Support; Advanced Cardiac Life Support.